



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Vellinger et al. )  
Filed: October 25, 2001 )  
Serial No: 10/003,481 )  
For: BIOREACTOR APPARATUS AND CELL )  
CULTURING SYSTEM )  
Atty. Docket No.: AA206/98001 )

Examiner: Betsner  
Group Art Unit:  
1744

Assistant Commissioner for Patents  
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Yelizaveta Klimova Troxler

(Typed or Printed Name)

Klimova

(Signature)

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Enclosed is a list and copies of references considered by  
Applicant to be pertinent in the examination of the above-  
identified patent application.

U.S. Patent No. 4,988,623 by Schwarz et al. for a 'Rotating  
Bio-Reactor Cell culture Apparatus' issued in January of 1991;

U.S. Patent 4,208,483 by Lee for a 'Tissue Culture System,  
issued in June of 1980;

U.S. Patent 4,720,462 by Rosenson for a 'Culture System for  
the Culture of Solid Tissue Masses and Method of Using the Same'  
issued in January of 1988;

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U.S. Patent 3,264,739 by Berlinsky et al. for an 'Apparatus for Measuring Area' issued in August of 1966;

U.S. Patent 4,605,626 by Beck for an 'Electrochemical system with Rotating electrode/Sparger Asembly' issued in August of 1986;

U.S. Patent 4,749,654 by Karrer et al. for a 'Method and Apparatus forthe Submerged Growth of Cell cultures' issued in June of 1988;

U.S. Patent 3,676,074 by Daigoro Shibayama et al. for an 'Apparatus for treating Organic Waste' issued in May of 1970;

U.S. Patent 4,377,639 by Lee for a 'Tissue Culture device for Mass Cell Culture' issued in March of 1983;

U.S. Patent 3,540,700 by Freedman for a 'Rotary Processing Apparatus' issued in November of 1970;

U.S. Patent 4,649,117 by Familleti for an 'Air Lift Bioreactor' issued in March of 1987;

U.S. Patent 4,310,630 by Girard et al. for an 'Arrangement for Cultivating Cells of Animal and Human tissues' issued in January of 1982;

U.S. Patent 4,373,029 by Nees for a 'Device for cultivation of MatriU.S. Patent -Bound Biologic Cell systems' issued in February of 1983;

U.S. Patent No. 5,155,034 by Wolf et. al. for a Three-Dimensional Cell to Tissue Assembly Process' issued in October of 1992;

U.S. Patent 3,925,165 by Muller for an 'Apparatus for Culturing of Tissue Cells and Micro-Organisms issue din December of 1975;

U.S. Patent 3,812,016 by Muller for a 'Culture Growing Apparatus' issued in May of 1974;

U.S. Patent 4,537,860 by Tolbert et al. for a 'Static Cell Culture Maintenance system' issued in August of 1985;

U.S. Patent 4,343,904 by Birch et al. for a 'Process and Apparatus for Growign Animal Cells' issued in August of 1982;

U.S. Patent 3,911,619 by Dedloph for a 'Seed Sprouter and Insert Therefor' issued in October of 1975;

U.S. Patent No. 5,665,594 by Schwarz et al. for a 'Gas Permeable Bioreactor and Method of Use' issued in September of 1997;

U.S. Patent 3,769,176 by Hise et al. for an 'Apparatus and Method for Microbial Fermentation in a Zero Gravity Environment' issued in October of 1973;

U.S. Patent No. 5,155,035 by Schwarz et al. for a 'Method for Culturing Mammalian Cells in a Perfused Bioreactor' issued in October of 1992.

U.S. Patent No. 5,763,279 by Schwarz et al. for a 'gas Permeable Bioreactor and Method of Use' issued in June of 1998;

U.S. Patent No. 5,153,133 by Schwarz et al. for a 'Method for Culturing Mammalian Cells in a Horizontally Rotated Bioreactor' issued in October of 1992;

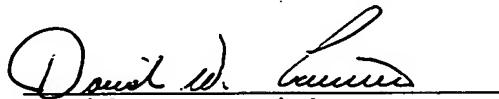
U.S. Patent No. 5,026,650 by Schwarz et al. for a 'Horizontally Rotated Cell Culture System with a Coaxial Tubular Oxygenator' issued in June of 1991;

U.S. Patent No. 5,153,131 by Wolf et al. for a 'High Aspect reactor Vessel and Method of Use' issued in October of 1992;

U.S. Patent No. 5,437,998 by Schwarz et al. for a 'Gas Permeable Bioreactor and Method of Use' issued in August of 1995;

U.S. Patent No. 5,702,941 by Schwarz for a 'Gas Permeable bioreactor and Method of Use' issued in December of 1997; and

Respectfully submitted,



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